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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
Office Action Comments	10/069,261	DURST ET AL.)			
Office Action Summary	Examiner	Art Unit				
	Jennifer A. Leung	1764				
The MAILING DATE of this communication appeared for Reply	opears on the cover sheet with the	correspondence a	ddress			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING [In the service of the service of the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION. 136(a). In no event, however, may a reply be to divide apply and will expire SIX (6) MONTHS from the cause the application to become ABANDON	N. imely filed in the mailing date of this ED (35 U.S.C. § 133).	,			
Status						
1) Responsive to communication(s) filed on 20	February 2007.					
2a) This action is FINAL . 2b) ⊠ Th	This action is FINAL . 2b)⊠ This action is non-final.					
3) Since this application is in condition for allow	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) Claim(s) 3-15 and 21-27 is/are pending in the 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 3-15 and 21-27 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/	awn from consideration.					
Application Papers						
9) The specification is objected to by the Examination The drawing(s) filed on is/are: a) acceptable and applicant may not request that any objection to the Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Examination.	ecepted or b) objected to by the e drawing(s) be held in abeyance. Section is required if the drawing(s) is o	ee 37 CFR 1.85(a). bjected to. See 37 0				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
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Attachment(s)		Jennifer A.L 5/10/2007	ung			
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summar	v (PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail [Date				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal 6) Other:	ratent Application				

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DETAILED ACTION

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Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on February 20, 2007 has been entered.

Response to Amendment

2. Applicant's amendment submitted on February 20, 2007 has been received and carefully considered. The changes made to the Specification are acceptable. Claims 1, 2 and 16-20 are cancelled. Claims 21-27 are newly added. Claims 3-15 and 21-27 are under consideration.

Claim Objections

- 3. Claims 3, 6, 21, 25 and 26 are objected to because of the following informalities:
- In claim 3: "said combustion device" (line 5) should be changed to --said device-- for consistency in claim terminology, as set forth in line 1. Also, "the oxidation agent" (line 4)

In claim 6: --the-- should be inserted before "direction" (line 3) for proper grammatical form.

should be changed to --the oxidant-- for consistency in claim terminology, as set forth in line 2.

In claim 21: --the-- should be inserted before "combustion chamber" (line 4).

In claim 25: --the-- should be inserted before "pre-mix chamber" (line 6).

In claim 26: "the oxidation agent" (line 4) should be changed to --the oxidant-- for consistency in claim terminology, as set forth in claim 3.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

. A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 3, 5, 7-9, 21 and 24-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Parker et al. (US 1,846,978).

Regarding claim 3, Parker et al. discloses an apparatus comprising a burner (see FIG. 8; page 4, line 78 to page 5, line 43; also, FIGs. 9 and 14) for combustion of a fuel/oxidant mixture within a combustion chamber (i.e., defined in part by the inner portion 35^x) in which a material is provided which endures a maximum temperature (i.e., a refractory material that appears to be labeled as 7^{x1} in FIG. 8; same as the refractory material 8 shown in FIG. 1 and described at page 2, lines 76-85), with one or several supply lines (e.g., a fuel supply line 15^x) and an additional supply line (i.e., pipe 40^x) connected to a low combustion value gas supply (i.e., a superheated steam source, generated from the water supplied by pipe 44^x and contained in tank 41^x) in order to conduct the low combustion value gas into the combustion chamber. The recitations with respect to "a maximum temperature" or a "temperature during combustion" have been considered as functional language that adds no further patentable weight to the claim. Please note that the manner of operating a device does not differentiate apparatus claims from the prior art, and the recitation of a material or article worked upon does not further limit apparatus claims. See MPEP 2114, 2115.

Regarding claim 5, Parker et al. discloses a pre-mix chamber (i.e., defined by tube 6^x ;

FIG. 8) in which fuel and oxidant can be mixed before combustion.

Regarding claim 7, Parker et al. discloses that the pre-mix chamber 6^x is supplied with the additional gas (i.e., the superheated steam, via pipe 40^x and nozzle 9^x), where the additional gas is mixed with the fuel before the pre-mix chamber (i.e., the super heated steam is first mixed with the fuel at injector 51^x).

Regarding claim 8, the size of a lateral surface of a sidewall of the premix chamber in proportion to the volume of the pre-mix chamber is sufficient to accommodate any free energy from the detonation of gases in the pre-mix chamber (i.e., the lateral surface of the sidewall 6x is sufficiently large relative to the volume of the pre-mix chamber; see FIG. 8).

Regarding claim 9, Parker et al. discloses that the pre-mix chamber defined by the tube 6^x is structurally capable of being cooled, i.e., by means of the water jacket located adjacent to the chamber (i.e., defined by the inner and outer portions 35^x, 36^x), and by means of the vaporizing coil 11^x located adjacent to the chamber.

Regarding claims 21 and 24, Parker et al. (FIG. 8; page 4, line 78 to page 5, line 43) discloses an apparatus comprising:

a combustion chamber in which a material is provided which endures a maximum temperature (i.e., a combustion chamber defined in part by inner portion 35^x, containing a refractory material that appears to be labeled as 7^{x1} in FIG. 8; same as the refractory material 8 shown in FIG. 1 and described at page 2, lines 76-85);

at least one supply line (e.g., fuel supply pipe 15^x) in communication with the combustion chamber for supplying at least one of fuel and an oxidation agent to the combustion chamber;

a low combustion value gas supply (i.e., a superheated steam source, generated from the

water supplied by pipe 44^x and contained in tank 41^x); and

an additional supply line (i.e., pipe 40^x) in communication with the low combustion value gas supply and the combustion chamber, for introducing a low combustion value gas (i.e., the superheated steam) into the combustion chamber.

Regarding claim 25, Parker et al. (FIG. 8; page 4, line 78 to page 5, line 43) discloses an apparatus comprising:

a combustion chamber in which a material is provided which endures a maximum temperature (i.e., a combustion chamber defined by inner portion 35^x, containing a refractory material that appears to be labeled as 7^{x1} in FIG. 8; same as the refractory material 8 shown in FIG. 1 and described at page 2, lines 76-85), the combustion chamber having an inlet and an outlet (see figure);

a pre-mix chamber (i.e., defined by tube 6^x) disposed upstream from an in communication with the inlet of the combustion chamber;

at least one supply line (e.g., fuel supply pipe 15^x) in communication with the pre-mix chamber for supplying at least one of fuel and an oxidation agent to the combustion chamber;

a low combustion value gas supply (i.e., a superheated steam source, generated from the water supplied by pipe 44^x and contained in tank 41^x); and

an additional supply line (i.e., pipe 40^x) in communication with the low combustion value gas supply and the pre-mix chamber for introducing the low combustion value gas into the combustion chamber.

Regarding claim 26, Parker et al. discloses that the at least one additional supply line 40^x (see FIG. 8) is in communication with the combustion chamber to deliver the low combustion

value gas (i.e., the superheated steam) into the combustion chamber to mix the low combustion value gas with the fuel and the oxidation agent.

Regarding claim 27, Parker et al. discloses a pre-mix chamber (i.e., defined by tube 6^x ; FIG. 8) connected with the at least one supply line that allows mixing of the low combustion value gas with the fuel/oxidant mixture.

Instant claims 3, 5, 7-9, 21 and 24-27 structurally read on the apparatus of Parker et al.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

5. Claims 3-9, 21, 22 and 24-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hays (US 2,087,031) in view of Onimaru et al. (US 5,616,021).

Regarding claims 3-5, 26 and 27, Hays discloses an apparatus comprising a burner (see figure and page 2, lines 17-74) for combusting a fuel/oxidant mixture within a combustion chamber **CT** in which a material (i.e., a mass of refractory material **Re**) is provided which

endures a maximum temperature, with one or several supply lines for conducting fuel (i.e., via inlet pipe P) and an oxidant (i.e., via inlet conduit A) into the chamber. The apparatus also comprises a pre-mix chamber (i.e., comprising chamber M), in which the fuel and oxidant are mixed before combustion, and a low combustion value gas supply (i.e., the combustion products HG generated in the combustion chamber CT). Hays, however, is silent as to the apparatus comprising at least one additional supply line connected to the low combustion value gas supply, for conducting the low combustion value gas (i.e., the combustion products HG) to the pre-mix chamber M and into the combustion chamber CT.

Onimaru et al. teaches an apparatus comprising a burner (FIG. 1; column 4, line 43 to column 6, line 36) for combusting a fuel/oxidant mixture within a combustion chamber (i.e., defined by burning cylinder 22), with one or several supply lines for conducting fuel (i.e., via supply pipe 33) and an oxidant (i.e., via supply pipe 41) into the chamber. Specifically, the apparatus comprises at least one additional supply line (i.e., an exhaust gas circulating pipe 51) connected to a low combustion value gas supply (i.e., comprising the combustion products from the combustion chamber 22), thereby conducting the low combustion value gas back into the combustion chamber 22 via the pre-mix chamber (i.e., defined by mixing cylinder 21).

It would have been obvious for one of ordinary skill in the art at the time the invention was made to provide at least one additional supply line, connected to the low combustion value gas supply, in order to conduct the low combustion value gas (i.e., the combustion products) to the pre-mix chamber **M** and into the combustion chamber **CT** in the apparatus of Hays, on the basis of suitability for the intended use thereof, because the additional supply line would allow for the combustion products to be recycled to the combustion chamber, thereby making it

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possible to properly maintain the fuel burning condition at a desirable and stable condition so as not to induce an excessive air supplying condition with respect to the supplied fuel in the event that the fuel supply amount is reduced, as taught by Onimaru et al. (see column 6, lines 26-36).

The recitations with respect to "a maximum temperature" or a "temperature during combustion" have been considered as functional language that adds no further patentable weight to the claim. Please note that the manner of operating a device does not differentiate apparatus claims from the prior art, and the recitation of a material or article worked upon does not further limit apparatus claims. See MPEP 2114, 2115.

Regarding claim 6, Hays further discloses that the pre-mix chamber M includes static mixing elements (i.e., a flow straightening plate St, a venturi plate V). The flow velocity component of the mixture in the pre-mix chamber M is inherently greater than the flame velocity in the combustion chamber CT, as evidenced by the impingement and mushrooming of the mixture over the surface of the refractory Re subsequent to its injection through the orifices O of the venturi plate V (see page 2, lines 45-55).

Regarding claim 7, the modified apparatus of Hays is structurally capable of providing the intended operation, since the pre-mix chamber M, as modified by the teachings of Onimaru et al., would be supplied with the additional gas (i.e., the recycled combustion products). In addition, Onimaru et al. (FIG. 1) teaches that the additional supply line 51 is configured such that the additional gas (i.e., the exhaust gas) is mixed with the oxidant (i.e., at the intersection with conduit 41) before entering a pre-mix chamber (i.e., defined by mixing cylinder 21).

Regarding claim 8, in the apparatus of Hays, the size of the lateral surface of a sidewall **H** of the premix chamber **M** in proportion to the volume of the pre-mix chamber **M** is structurally

capable of accommodating free energy from detonation of gases in the pre-mix chamber, since the size of the lateral surface of the sidewall **H** is sufficiently large, and the proportioning of the lateral surface and volume of the pre-mix chamber **M** in Hays appears similar to that of Applicant's apparatus, as shown in the figures.

Regarding claim 9, the pre-mix chamber M in the modified apparatus of Hays is structurally capable of being cooled (i.e., by a heat transfer medium flowing in the cooling jacket J, located adjacent to the premix chamber; see FIG. 1). Also, the pre-mix chamber M is structurally capable of being cooled by the atmospheric air present on the exterior side of wall H, adjacent to the pre-mix chamber M.

Regarding claims 21 and 22, Hays (see figure and page 2, lines 17-74) discloses an apparatus comprising: a combustion chamber **CT** in which a material (i.e., refractory material **Re**) is provided, which endures a maximum temperature; at least one supply line in communication with the combustion chamber **CT** for supplying at least one of fuel (i.e., via pipe **P**) and an oxidation agent (i.e., via pipe **A**), in order to conduct these into the combustion chamber; and a low combustion value gas supply (i.e., comprising the combustion products **HG** generated by the combustion chamber **CT**).

Hays, however, is silent as to the provision of an additional supply line in communication with the low combustion value gas supply and the combustion chamber (i.e., in the form of an outlet line in communication with an outlet of the combustion chamber), for introducing the low combustion value gas (i.e., the combustion products **HG**) into the combustion chamber **CT** to mix with the at least one of fuel and an oxidation agent.

Onimaru et al. (FIG. 1; column 4, line 43 to column 6, line 36) teaches an apparatus

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comprising a combustion chamber (i.e., defined by cylinder 22), at least one supply line in communication with the combustion chamber for supplying at least one of fuel (i.e., via supply pipe 33) and an oxidation agent (i.e., via supply pipe 41), in order to conduct these into the combustion chamber; and a low combustion value gas supply (i.e., the combustion products produced by the combustion chamber 22). Specifically, the apparatus comprises at least one additional supply line (i.e., an exhaust gas circulating pipe 51) connected to the low combustion value gas supply at the outlet of the combustion chamber, for conducting the low combustion value gas (i.e., the combustion products) back into the combustion chamber 22.

It would have been obvious for one of ordinary skill in the art at the time the invention was made to provide at least one additional supply line connected to the low combustion value gas supply, in order to conduct the low combustion value gas into the combustion chamber in the apparatus of Hays, on the basis of suitability for the intended use thereof, because the additional supply line would allow for the combustion products to be recycled to the combustion chamber, thereby making it possible to properly maintain the fuel burning condition at a desirable and stable condition so as not to induce an excessive air supplying condition with respect to the supplied fuel when the fuel supply amount is reduced, as taught by Onimaru et al. (see column 6, lines 26-36).

Regarding claim 24, the low combustion value gas supply (i.e., the combustion products **HG**) comprises at least one of an inert gas source and a steam source, since the combustion reaction generates carbon dioxide and water vapor.

Regarding claim 25, Hays (see figure and page 2, lines 17-74) discloses an apparatus comprising: a combustion chamber CT in which a material (i.e., refractory material Re) is

provided which endures a maximum temperature, the combustion chamber CT having an inlet and an outlet (i.e., see flow arrows in the figure); a pre-mix chamber (i.e., comprising chamber M) disposed upstream from and in communication with the inlet of the combustion chamber CT; at least one supply line in communication with the pre-mix chamber M for supplying at least one of fuel (i.e., via pipe P) and an oxidation agent (i.e., via pipe A) into the combustion chamber CT; and a low combustion value gas supply (i.e., the combustion products produced by the combustion chamber CT).

Hays, however, is silent as to the provision of an additional supply line in communication with the low combustion value gas supply and the pre-mix chamber **M**, for introducing the low combustion value gas (i.e., the combustion products) into the combustion chamber **CT**.

Onimaru et al. (FIG. 1; column 4, line 43 to column 6, line 36) teaches an apparatus comprising a combustion chamber (i.e., defined by cylinder 22), at least one supply line in communication with the combustion chamber for supplying at least one of fuel (i.e., via supply pipe 33) and an oxidation agent (i.e., via supply pipe 41), in order to conduct these into the combustion chamber; and a low combustion value gas supply (i.e., the combustion products from the combustion chamber 22). Specifically, the apparatus comprises at least one additional supply line (i.e., an exhaust gas circulating pipe 51) connected to the low combustion value gas supply at the outlet of the combustion chamber, for conducting the low combustion value gas (i.e., the combustion products) back into the combustion chamber, via a pre-mix chamber (i.e., defined by mixing tube 21).

It would have been obvious for one of ordinary skill in the art at the time the invention was made to provide at least one additional supply line connected to the low combustion value

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gas supply, in order to conduct the low combustion value gas to the pre-mix chamber **M** and into the combustion chamber **CT** in the apparatus of Hays, on the basis of suitability for the intended use thereof, because the additional supply line would allow for the combustion products to be recycled to the combustion chamber, thereby making it possible to properly maintain the fuel burning condition at a desirable and stable condition so as not to induce an excessive air supplying condition with respect to the supplied fuel in the event that the fuel supply amount is reduced, as taught by Onimaru et al. (see column 6, lines 26-36).

6. Claims 10-13 rejected under 35 U.S.C. 103(a) as being unpatentable over Hays (US 2,087,031) in view of Onimaru et al. (US 5,616,021), as applied to claim 3 above, and further in view of Durst et al. (US 5,522,723).

Regarding claim 10, Hays discloses that combustion chamber CT contains a refractory material Re. Hays, however, does not specifically indicate that the material Re comprises a porous material with inter-connected hollow spaces, suitable in size for flame development.

Durst et al. (FIG. 1) teaches a combustion chamber (i.e., defined by housing 1) in which a porous material 5 (see column 4, lines 23-30; column 2, lines 21-40) is provided, the porous material having inter-connected hollow spaces suitable in size for flame development. It would have been obvious for one of ordinary skill in the art at the time the invention was made to substitute the porous material of Durst et al. for the refractory material Re in the modified apparatus of Hays, on the basis of suitability for the intended use thereof, because the porous material produces a high turbulence so that higher combustion rates can be achieved, as taught by Durst et al. (see column 2, line 65 to column 3, line 5).

Regarding claims 11 and 12, Hays is silent as to the combustion chamber containing a

porous material whose porosity changes over to larger pores in the direction toward the development of flame, wherein the combustion chamber has at least two zones with material of differing pore size, between which, the material has a pore size that provides the critical Peclet number. Durst et al. (FIG. 1; column 8, lines 48-60) teaches a combustion chamber (i.e., defined by housing 1) containing a porous material 5 whose porosity changes over to larger pores in the direction toward the development of flame, wherein the combustion chamber has at least two zones A and C with a material of differing pore size, between which, the material has a pore size (in zone B) that provides the critical Peclet number. It would have been obvious for one of ordinary skill in the art at the time the invention was made to provide a porous material having the claimed porosity configuration in the combustion chamber of the modified apparatus of Hays, on the basis of suitability for the intended use thereof, because the porosity configuration would provide a defined position for the flame development, thereby increasing burner stability, as taught by Durst (see column 3, lines 33-51).

Regarding claim 13, Durst further teaches that the porous material 5 may comprise a packing material, such as spheres (see column 4, lines 45-67).

7. Claims 14 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hays (US 2,087,031) in view of Onimaru et al. (US 5,616,021) and Durst et al. (US 5,522,723), as applied to claims 10 and 13 above, and further in view of Martin et al. (US 5,165,884).

Regarding claim 14, Hays further discloses the provision of a grid **Gr** for retaining the refractory material **Re** within the combustion chamber. The collective teaching of Hays, Onimaru et al. and Durst et al., however, is silent as to the provision of a grid at the border area, to prevent discharge of the bodies from one zone into the other. Martin et al. teaches a similar

combustion device, wherein gas permeable barriers can be utilized to maintain the integrity of the matrix of porous bodies, so that adjacent layers of materials of differing sizes do not become mixed (see column 10, lines 26-34). It would have been obvious for one of ordinary skill in the art at the time the invention was made to further provide a grid at the border area in the modified apparatus of Hays, on the basis of suitability for the intended use thereof, because the grid would help control the location of the various sized materials in the respective zones.

Regarding claim 15, in the modified apparatus of Hays, the grid would be structurally capable of being cooled, by means of the heat transfer medium flowing in the jacket **J** surrounding the combustion chamber **CT** (see figure).

8. Claim 23 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hays (US 2,087,031) in view of Onimaru et al. (US 5,616,021), as applied to claims 21 and 22 above, and further in view of Yamane et al. (US 3,982,878).

The collective teaching of Hays and Onimaru et al. is silent as to the provision of a heat exchanger, such that the outlet line from the combustion chamber is in communication with an inlet of the heat exchanger, and the outlet of the heat exchanger is in communication with the additional supply line. Yamane et al. (see FIG. 3; column 3, lines 53-66) teaches an apparatus comprising a combustion chamber 10 with supply lines for fuel 12 and oxidant 14, the apparatus further comprising a heat exchanger 50, wherein the outlet line 48 from the combustion chamber 10 is in communication with the inlet of the heat exchanger 50, and the outlet of the heat exchanger 50 is in communication with an additional supply line (not labeled, see figure), for feeding the combustion products back into the combustion chamber 10. It would have been obvious for one of ordinary skill in the art at the time the invention was made to provide a heat

exchanger to the modified apparatus of Hays, on the basis of suitability for the intended use thereof, because the heat exchanger would allow for water contained in the combustion products to be recovered, before feeding the combustion products in a dehydrated form, back into the combustion chamber, as taught by Yamane et al.

Response to Arguments

9. Applicant's arguments with respect to claims 3-15 and 21-27 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer A. Leung whose telephone number is (571) 272-1449. The examiner can normally be reached on 9:30 am - 5:30 pm Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn A. Caldarola can be reached on (571) 272-1444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jennifer Leune Jennifer A. Leung May 10, 2007